

Title (en)  
METHOD OF OPERATION OF AN ETHYLENE CRACKING FURNACE

Title (de)  
VERFAHREN FÜR DEN BETRIEB EINES ETHYLENSPALTOFENS

Title (fr)  
PROCÉDÉ D'OPÉRATION D'UN FOUR DE CRAQUAGE D'ÉTHYLÈNE

Publication  
**EP 2949728 B1 20190821 (EN)**

Application  
**EP 15151939 A 20150121**

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Abstract (en)  
[origin: EP2949728A1] An ethylene cracking furnace mainly comprising: a radiant section (1), a convection section (2), and TLEs (Transfer Line Exchangers) (8), wherein said radiant section (1) is provided with at least one firebox (3) with its bottom provided with a plurality of burners (9), said plurality of burners (9) comprises a first, a second, a third and a fourth rows of burners arranged in sequence and parallel with each other; said firebox (3) is provided with a first group of radiant coils and a second group of radiant coils, both said first group of radiant coils and said second group of radiant coils are arranged in two rows, such that said firebox (3) is provided with four rows of radiant tubes in total. The present invention realizes large scale cracking furnaces which take up less space and require less investment as compared with other cracking furnaces having the same dimension. Respective embodiments provided in the present invention further provide more beneficial technical effect.

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Citation (examination)

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